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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/275,727	03/24/1999	ANKE T. DEJONG	ADAPP091A	1135

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EXAMINER

TRAN, MYLINH T

ART UNIT	PAPER NUMBER
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2174

25

DATE MAILED: 03/29/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/275,727

Applicant(s)

DEJONG ET AL.

Examiner

Mylinh T Tran

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on Appeal Brief filed 01/05/04.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-18,20 and 21 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-18,20 and 21 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Applicant's Appeal Brief filed 01/05/04 has been entered and carefully considered. Arguments on the claims 1-18 and 20-21 were persuasive but in light of the newly discovered prior art, these claims are rejected under the new ground of rejection as set forth below.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1, 2, 14-17 and 18, are rejected under 35 U.S.C. 103(a) as being unpatentable over Axberg et al. [US. 6,009,466] in view of Ofer et al. [US. 5,890,204].

As to claims 1, Axberg et al. discloses an enterprise network including a plurality of computer systems, the plurality of computer systems including server computer systems and client computer systems wherein the server computer systems include a server component, and the client computer systems include a client component (column 4, lines 12-60); icon link to configuration tools (column 11, lines 25-45). The difference between Axberg et al. and the claim is a storage enclosure being connected to a server computer system having the server component, the storage

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enclosure having a RAID array of disk and a graphical user interface provided by the client component at a client computer system, the graphical user interface provides a graphical representation of the enterprise network. Although Axberg et al. already suggests the storage enclosure having a RAID array of disk (column 1, lines 50-55 and column 2, lines 15-25) and a graphical user interface (column 4, lines 22-30 and lines 37-44), Ofer et al. strongly shows the storage enclosure being connected to a server computer system having the server component, the storage enclosure having a RAID array of disk (column 2, lines 25-35 and lines 55-63); and the graphical user interface provides a graphical representation of the enterprise network (column 1, lines 58-67). It would have been obvious to one of ordinary skill in the art, having the teachings of Axberg et al. and Ofer et al. before them at the time the invention was made to modify the enterprise network as taught by Axberg et al to include the storage enclosure having a RAID array of disks and the graphical user interface of Ofer et al., with the motivation being to produce cost-effective, highly available, high performance disk system by using the RAID that is a collection of multiple disk drives being organized into a disk array managed by a common array controller as taught by Ofer et al.

As to claim 2, Ofer et al. shows an array modifier link for selecting a RAID array that is desired to be modified in terms of adjusting a drive selection and RAID level (column 4, lines 42-67).

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As to claims 3 and 18, the claim is analyzed as previously discussed with respect to claim 1 except for the feature of "an array builder link, the array builder link when selected provides selection tabs to allow array building from an array template or from scratch, the selection tabs being further configured to allow a level assignment for array building". Ofer et al. also shows the feature at column 5, lines 1-25).

As to claim 4, the claim is analyzed as previously discussed with respect to claim 1 except for the feature of "dragging the selected array template, that is in the form of an icon, over the selected hardware or dragging the selected hardware over the selected array template, the dragging is configured to automatically apply the RAID configuration scheme". While Axberg et al. teaches the icon at column 10, lines 27-50, Ofer et al. teaches the step of selecting and dragging at column 5, lines 45-55.

As to claim 5, Ofer et al. also discloses a-RAID level (column 5, lines 8-15), a number of drives in the selected hardware and a number of spare drives (column 4, line 55 through column 5, line 5), a stripe size (column 5, lines 32-45) and an array address (column 5, lines 10-50).

As to claim 6, Axberg et al. shows an enterprise monitor link, when selected the monitor link provides a window wherein monitoring settings can be set (column 4, lines 15-20).

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As to claim 7, Axberg et al. also shows discloses a failure indicator (column 6, line 60 through column 7, line 14) and a disk capacity indicator (column 3, lines 1-10).

As to claim 8, Axberg et al. teaches a temperature indicator for the storage enclosure, a battery health indicator and a power supply health indicator (column 1, lines 25-37).

As to claim 9, Ofer et al. provides an enterprise monitor window for providing a quick view of selected storage enclosure parameters (column 3, lines 1-15).

As to claim 10, Axberg et al. also provides an event notifier link, when selected provides customizable failure and status notifications (column 4, lines 55-67).

As to claims 11-12, Axberg et al. demonstrates the setting user notification profiles, the profiles including communication information (column 5, lines 1-17) and the communication information includes e-mail information and pager information (column 5, lines 30-55, network communication).

As to claim 13, Axberg et al. also demonstrates an enterprise icon, when selected allows viewing of the enterprise network that includes the plurality of computer systems and associated storage enclosures that are connected to computer systems having the server component (column 4, lines 25-55).

As to claim 14, Axberg et al. discloses the viewing of the enterprise network can be of physical devices or logical devices, and the physical devices and the logical devices can be displayed in one of a tree view and a quick view (column 8, lines 17-40).

As to claim 15, Axberg et al. also discloses a graphical failure representation being provided of selected drives of the storage enclosure, the graphical failure representation being configured to be displayed on a failed drive when the failed drive is in a viewable setting and on the storage enclosure when the failed drive is not in the viewable setting (column 4, lines 55-67).

As to claim 16, Axberg et al. shows the client component providing a user administrator the management and configuration control to the enterprise network (column 5, lines 30-65).

As to claim 17, Axberg et al. also shows the enterprise network can include a plurality of storage enclosure that are connected to selected computer systems that are part of the enterprise network and that have the server component (column 4, lines 12-55).

As to claim 20, Axberg et al. provides the graphical user interface control including an enterprise monitor icon link (column 11, lines 25-44).

As claims 21, the claim is analyzed as previously discussed with respect to claims 18 and 20.

Conclusion

The prior art made of record on form PTO-892 and not relied upon is considered pertinent to applicant's disclosure. Applicant is required under 37 C.F.R. § 1.111 (c) to consider these references fully when responding to this action. The documents cited therein teach the storage area network management and configuration system and the communication information the communication information includes e-mail information and pager information.

Responses to this action should be mailed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231. If applicant desires fax a response, (703) 746-7238, may be used for formal After Final communications, (703) 746-7239 for Official communications, or (703) 746-4395 for Non-Official or draft communications. NOTE, A Request for Continuation (Rule 60 or 62) cannot be faxed.

Please label "PROPOSED" or "DRAFT" for information facsimile communications. For after final responses, please label "AFTER FINAL" or "EXPEDITED PROCEDURE" on the document.

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA., Fourth Floor (Receptionist).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mylinh Tran

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whose telephone number is (703) 308-1304. The examiner can normally be reached on Monday-Thursday from 8.00AM to 6.30PM

If attempt to reach the examiner by telephone are unsuccessful, the examiner 's supervisor, Kristine Kincaid, can be reached on (703) 306-0640,

All Internet e-mail communications will be made of record in the application file. PTO employees do not engage in Internet communications where there exists a possibility that sensitive information could be identified or exchanged unless the record includes a properly signed express waiver of the confidentiality requirements of 35 U.S.C. 122. This is more clearly set forth in the Interim Internet Usage Policy published in the Official Gazette of the Patent and Trademark on February 25, 1997 at 1195 OG 89.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-3800.

Mylinh Tran

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